Bruhat Bangalore Mahanagara

e of Work: Improvements, developments and Construction Of Lead Off D … nkatala Lake View Layout To Yelahanka Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy.No5) in ward no. 01, 03,04 and 05

RATE ANALYSIS

(Based on Schedule of Rates for the year , 2021- 2022 PW, P&IWTD Bangalore Circle.

Sl. No.	Description of work	Unit	Volume	SR	Item	Basic Rate	AW	Total	TP above 2%	Total Amount in Rs. Ps.
				Page No	No.	In Rs.	10%	In Rs.	2% Above	
E1	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)	Sqm	Data Rate					15630.00	312.60	15942.60

No.	Description of work	Unit	Volume	SR	Item	Basic Rate	AW	Total	TP above 2%	Total Amount in Rs. Ps.
				Page No	No.	in Rs.	10%	in Rs.	2% Above	
E2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. Issue Rate On 04-01-2023	Cum	II	17	6.33	1061.00	106.10	1167.10	23.34	1190.44
E3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer including cost of materials ,labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.(I.No-11.3)	Sqm	II	75	11.30	6563.00	656.30	7219.30	144.39	7363.69
E4	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. pipes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer in-Charge.(11.26.3)	KG	II	82	11.26.3	147.00	14.70	161.70	3.23	164.93

	Description of work	Unit	Volume	SR	Item	Basic Rate	AW	Total	TP above 2%	Total Amount in Rs. Ps.
				Page No	No.	In Rs.	10%	In Rs.	2% Above	
E5	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work..	Cum	I	7	1.8	402.00	40.20	442.20	8.84	451.04
E6	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity andappropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work Issue Rate On 04-01-2023	Cum	III	138	20.29	6512.00	651.20	7163.20	143.26	7306.46

	Description of work	Unit	Volume	SR		sic Rate	AW	Total	TP above 2%	Total Amount in Rs. Ps.
				Page No	No.	in Rs.	10%	in Rs.	2% Above	
E6	Supply Installation ,Testig and Commmissiong of LEDRGB/RGBW flood lighting luminaire orfacade lightingwith Die-cast aluminium housing,powder-coatedfinish, of following wattage.Luminaireshallbe for with 16million dynamic colors by DMX/Ethemet based control . The beam angle of the fitting shall be narrow ,medium ,wide or asymmetic as per the requirment. Luminare shall be complete with driver and capable of operating at line voltage with out any separate power factor >.9 .fixture shall be suitable to operating atanamienttemperatureange of -10 c to +50c candshallbeIP65andIK06rated. life time shall be atleast L 70:50000 burning hours at 50c .Luminare shall be conforming to BIS(IS10322)and shall be complete with all necessary accessories required for proper working of fixture including weather proof connectionscables, water proof connections etc .as required. 140 Watts	Nos	Data Rate						0.00	78691.78
E7	Supplying and drawing Flexible Multicore Cable manufacturedwith electrolytic grade flexible copper with low conductor confirming to IS 8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100V as per IS 694:2010 4C x 4 mm2	Mtr	IV	4	2.5.16	158	158.00	158.00	3.16	161.16

	Description of work	Unit	Volume	SR	Item	Basic Rate	AW	Total	TP above 2%	Total Amount in Rs. Ps.
				Page No	No.	In Rs.	10%	In Rs.	2% Above	
E8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. Concealed work, including cutting chases and making good the walls etc. 32mm nominal dia pipes (V-II Page No.124, Item No.13.32.4 of PWD SR 2021-22)	Mtr	II	124	13.32.4	556	556.00	556.00	11.12	567.12
E9	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregate @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted in foundation including cost of all materials, labour HOM of machinery, curing complete as per specifications with all lead and lift and directions of the Engineer-In-charge of the work.	Cum	I	15	2.1.3	5752.00	6212.1600	6212.16	124.24	6336.40

Assistant Engineer

Asst. Executive Engineer

Executive Engineer
Yelahanka Sub Dn
(BBMP Yhk. Zn)
Yelahanka, Bangalore

Executive Engineer
Yelahanka Division

(Quality Assurance/Control) Annexure-05,